

# Permit to Operate

**FACILITY:** N-339

**EXPIRATION DATE:** 07/31/200

**LEGAL OWNER OR OPERATOR:** FORWARD INC

**MAILING ADDRESS:** P O BOX 6336  
STOCKTON, CA 95206

**FACILITY LOCATION:** 9999 S. AUSTIN ROAD  
MANTECA, CA 95336

**FACILITY DESCRIPTION:** LANDFILL

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**DAVID L. CROW**

Executive Director / APCO

**Seyed Sadredin**

Director of Permit Services

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-0-1

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

## **PERMIT UNIT REQUIREMENTS**

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; San Joaquin County Rule 110], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; San Joaquin County Rule 110], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (7/21/94). [District Rules 2010, 3.0 and 4.0; and 2020], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.12.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (12/17/92) (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520(6/15/95) [District Rules 2520, 9.5.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7], [Federally Enforceable Through Title V]

## Initial TV Permit

13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere from any source operation (as defined in District Rule 1020) for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (12/17/92), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District, unless exempted under section 4.0 of District Rule 4601 (Amended 9/17/97). [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1 (12/17/92)), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601 (12/17/92), unless exempted under section 4.0 of District Rule 4601 (Amended 9/17/97). [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired, unless exempted under section 4.0 of District Rule 4601 (Amended 9/17/97). [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used, unless exempted under section 4.0 of District Rule 4601 (Amended 9/17/97). [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2 (12/17/92), unless exempted under section 4.0 of District Rule 4601 (Amended 9/17/97). [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]

## Initial TV Permit

30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart F. [40 CFR Part 82, Subpart F], [Federally Enforceable Through Title V]
31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 (4/25/96) unless specifically exempted under section 4.0 of Rule 8020. Landfill site construction activities must comply with this requirement. [District Rules 8020 and 8040, 5.1], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030 (4/25/96), unless specifically exempted under section 4.0 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]
33. All operational landfills shall comply with the requirements of District Rule 8040 (as amended April 25, 1996), unless specifically exempted by section 4.0 of this rule. These requirements include, but are not limited to, removal of accumulation of mud, dirt and other material from public paved roads adjacent to the landfill site, interior road requirements, and requirements for equipment used for removal of mud or dirt. This condition also applies to closure activities and closed landfill sites when activities are conducted which disturb surface soils covering an area greater than one (1) acre. [District Rule 8040], [Federally Enforceable Through Title V]
34. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 (4/25/96) unless specifically exempted under section 4.0 of Rule 8060. [District Rule 8060], [Federally Enforceable Through Title V]
35. The owner or operator shall insure that all areas of one (1) acre or greater, which are used for vehicle and/or equipment parking, fueling and service, shipping, receiving and transfer, comply with the requirements of District Rule 8070 (as amended April 25, 1996), unless specifically exempted under section 4.0 of this rule. All areas used for storage of construction vehicles, equipment, and material shall comply with the provision of District Rule 8070. [District Rules 8040, 5.4 and 8070], [Federally Enforceable Through Title V]
36. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
37. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16], [Federally Enforceable Through Title V]
38. Any Title V permittee shall submit an application permit renewal to the District at least six months, but not greater than 18 months, prior to the Title V permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
39. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
40. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
41. On May 31, 2002, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of the reporting period. [District Rule 2520, 9.5], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-1-1

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**  
WOOD WASTE RECEIVING.

## **PERMIT UNIT REQUIREMENTS**

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1. See Facility-wide requirements for conditions applicable to this permit unit. [District Rule 2080], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-2-0

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**  
WOOD CHIPPING & CONVEYING

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Additional water sprinklers shall be installed at each end of the conveyor belt that loads wood chips into trucks. [ ]
4. All water sprinklers shall be turned on prior to operation of wood chipper and shall remain on throughout the process. [ ]
5. All water sprinklers shall be maintained in good working condition. [ ]
6. Process weight rate shall not exceed 25 tons per hour. [ ]

## Initial TV Permit

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-339-3-0

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

MATERIAL TRANSFER AND LOADOUT FROM NESCO CHIPPER. \*\*\* PERMIT DELETED 12/31/98 - FJC \*\*\*

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. All trucks shall be covered to prevent fugitive dust emissions. [ ]
4. PM10 emissions from the truck loadout shall not exceed 12 pounds during any one day. [ ]
5. Water sprinklers shall be installed at all transfer points including the conveyor belt that transfers the wood chips to the trucks. [ ]
6. All water sprinklers shall be kept in good operating condition at all times. [ ]
7. A daily log which contains the amount of material processed shall be maintained, retained on the premises for a period of at least two years, and made available for District inspection upon request. [ ]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-4-0

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

NESCO WOOD PRODUCTS CHIPPER & CONVEYING EQUIPMENT POWERED BY A CUMMINGS DIESEL ENGINE (290 HP).

**PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. NOx emissions shall not exceed 72 pounds during any one day. [ ]
5. The engine shall not be operated more than 8 hours during any one day. [ ]
6. Water sprinklers shall be installed around the perimeter of the wood waste chipper and at all transfer points including the conveyor belt that transfers the wood chips to the stock pile, and shall be operational throughout the chipping process. [ ]
7. All water sprinklers shall be kept in good operating conditions at all times. [ ]
8. A daily log which contains the hours of operation of the engine and the amount of material processed shall be maintained, retained on the premises for a period of at least two years, and made available for District inspection upon request. [ ]
9. The process weight shall not exceed 25 tons per hour. [ ]



## Initial TV Permit

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-339-5-0

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**  
WOODWASTE CHIPPER

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. The waste wood chipper feed rate shall not exceed 20 tons per hour. [ ]
5. The total PM10 emissions from N-339-3-0 and N-339-5-0 shall not exceed 12 pounds during any one day. [ ]
6. A daily log of operation shall be kept on the premises at all times and shall be made available for District inspection upon request. [ ]
7. Water sprinklers shall be installed around the perimeter of the wood waste chipper and shall remain on throughout the process. [ ]
8. Water sprinklers shall be installed at all transfer points including the conveyor belt that transfer the wood chips to the stock pile. [ ]
9. All water sprinklers shall remain in good working conditions at all times. [ ]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-6-0

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

NEW WOOD GRINDER WITH HAMMER SCREENS (WHO MANUFACTURING).

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Additional water sprinklers shall be installed at each end of the conveyor belt that loads wood chips into trucks. [ ]
4. All water sprinklers shall be turned on prior to operation of wood chipper and shall remain on throughout the process. [ ]
5. All water sprinklers shall be maintained in good working condition. [ ]
6. Process weight rate shall not exceed 20 tons per hour. [ ]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-7-0

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

W.H.O. GRINDER WITH SCREENS AND CONVEYING EQUIPMENT POWERED BY A CATERPILLAR DIESEL ENGINE (475 HP). \*\*\* PERMIT DELETED 12/31/98 - FJC \*\*\*

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
  2. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
  3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
  4. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District NSR Rule]
  5. Diesel fuel shall have a maximum sulfur content of 0.25% by weight. [ ]
  6. The NOx emissions shall not exceed 60.5 pounds during any one day. [ ]
  7. The NOx emissions shall not exceed 7.2 g/hp-hr. [ ]
  8. The engine shall not be operated more than 8 hours during any one day. [ ]
  9. Water sprinklers shall be installed at all transfer points including at each end of the conveyor belt that transfers the wood chips into trucks and shall be turned on prior to operation of the wood grinder and shall remain on throughout the process. [ ]
  10. All water sprinklers shall be maintained in good working condition. [ ]
  11. A daily log which contains the hours of operation of the engine and the amount of material processed shall be maintained, retained on the premises for a period of at least two years, and made available for District inspection upon request. [ ]
  12. The process rate shall not exceed 20 tons per hour. [ ]
  13. PM10 emissions from wood grinding and conveying shall not exceed 12 pounds during any one day. [ ]

## Initial TV Permit

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-339-8-0

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

TRUCK LOADOUT FROM W.H.O. GRINDER. \*\*\* PERMIT DELETED 12/31/98 - FJC \*\*\*

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. All trucks shall be covered to prevent fugitive dust emissions. [ ]
4. PM10 emissions from the truck loadout shall not exceed 12 pounds during any one day. [ ]
5. Water sprinklers shall be installed at all transfer points including the conveyor belt that transfers the wood chips to the trucks. [ ]
6. All water sprinklers shall be kept in good operating condition at all times. [ ]
7. A daily log which contains the amount of material processed shall be maintained, retained on the premises for a period of at least two years, and made available for District inspection upon request. [ ]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-9-1

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

ONE 500 GALLON ABOVE GROUND GASOLINE STORAGE TANK SERVED BY A PHASE I VAPOR RECOVERY SYSTEM AND ONE NOZZLE.

**PERMIT UNIT REQUIREMENTS**

1. Total gasoline throughput for the facility shall not exceed 10,000 gallons per any consecutive 30-day period nor 24,000 gallons per calendar year. [District Rule 4622, 4.1, Exemptions], [Federally Enforceable Through Title V]
2. Records of monthly gasoline throughput shall be maintained, retained on the premises for a period of at least five years and as long as exempt status is claimed. These records shall be made available for District inspection upon request and allow the gasoline throughput for any 30-day period to be continuously determined. [District Rule 2520, 9.4.2 and 4622, 6.1.1], [Federally Enforceable Through Title V]
3. If the gasoline throughput exceeds either 10,000 gallons per any consecutive 30-day period or 24,000 gallons per calendar year, then the facility shall notify the District within 30 days. [District Rule 4622, 6.1.2], [Federally Enforceable Through Title V]
4. Each storage tank subject to this permit shall be equipped with an ARB certified Phase I vapor recovery system, which shall prevent at least 95% by weight of all gasoline vapors displaced during the filling of storage tanks from entering the atmosphere. The transfer of gasoline from any delivery vessel to any stationary storage container with 250 gallon capacity or more shall not be allowed unless the container is equipped with a permanent submerged fill pipe and an ARB certified Phase 1 system, which is maintained and operated according to manufacturers specifications. [District Rule 4621, 3.1 and 5.1.1], [Federally Enforceable Through Title V]
5. Compliance with the requirement of the Phase I system to be 95% effective for displaced vapors is considered to be demonstrated by passing performance tests, at least once every 5 years from the date of the most recent test or at more frequent intervals, as specified by the ARB Executive Order certifying the system. Facilities that have not been performance tested previously, using the following applicable methods, shall be tested in accordance with BAAQMD Source Test Procedure ST-38 (Static Leak Test Procedure Aboveground Tanks) no later than 90 days of issuance of this permit. [District Rules 2520, 9.3.2], [Federally Enforceable Through Title V]
6. Each aboveground storage tank shall be equipped with a pressure-vacuum valve set to within 10% of the maximum allowable working pressure of the tank. No gasoline shall be placed, stored, or held in any above-ground tank of 250 gallon capacity or more unless it is so equipped. [District Rule 4621, 5.1.2; 4623, 5.4], [Federally Enforceable Through Title V]
7. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621, 5.2.1], [Federally Enforceable Through Title V]
8. No gasoline shall be transferred into any gasoline stationary storage tank subject to this permit if the vapor recovery system contains an inoperative dry break until it is repaired, replaced, or adjusted as necessary to correct the defect. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4621 except section 5.2.2 (as amended May 20, 1993), 4622, section 6.1 (as amended February 17, 1994), and 4623, section 5.4 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
10. This unit is not equipment used for light crude oil and gas production, natural gas processing, nor organic liquid loading. Therefore, the requirements of County Rules 412.1 (Kern and Tulare), 411.1 (Stanislaus and Merced), 411.2 (San Joaquin), 412 (Fresno, Kings, Stanislaus, Merced, and San Joaquin), 413 (Kern and Tulare), and 419 (Madera) do not apply to this permit unit. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
11. This unit is not equipment used for light crude oil and gas production, natural gas processing, nor organic liquid loading, and is an existing unit which dispenses less than or equal to 24,000 gallons per year and less than or equal to 10,000 gallons in any 30-day period, and is not an internal or external floating roof tank with capacity of 19,800 gallons or more. Therefore, the requirements of District Rules 4403 (as amended February 16, 1995), 4622, except section 6.1 (as amended February 17, 1994), 4623, except section 5.4 (as amended December 17, 1992), and 4624 (as amended December 17, 1992) do not apply to this permit unit. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
12. This unit is not associated with loading at a bulk gasoline terminal (as defined in 40CFR 60.501). Therefore, the requirements of 40 CFR 60 Subparts XX do not apply to this permit unit. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-10-0

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

157 ACRE CLASS III WASTE DISPOSAL LANDFILL

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. All roadways shall be paved and kept clean or kept moist to prevent visible emissions in excess of 20% opacity. [District NSR Rule]
4. Adequate measures shall be maintained to prevent incompatible wastes from being mixed together. [ ]
5. Odors shall be strictly monitored and mitigated upon notice or complaint from the public. [ ]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-11-1

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

117 BHP CUMMINS DIESEL FIRED ENGINE, MODEL 4B, POWERING A TRACTOR MOUNTED WILDCAT MANUFACTURING MODEL CX750-AME COMPOST PILE TURNER, USED IN A COMPOSTING OPERATION.

**PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
6. A record of the daily hours of operation shall be kept. [District NSR Rule], [Federally Enforceable Through Title V]
7. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
8. Test results from an engine that represents a group of engines in terms of rated brake horsepower, engine make and series, operational conditions, fuel used, and control method, shall satisfy testing requirements provided this group of engines is owned and operated by a single owner/operator. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
9. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
12. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301, 5.1], [Federally Enforceable Through Title V]
13. The emission rates shall not exceed the following: NOx, 10.0 g/bhp-hr; CO, 2.9 g/bhp-hr; VOC, 0.4 g/bhp-hr; SOx, 0.06 g/bhp-hr; PM10, 0.25 g/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
14. The engine shall not operate more than 8 hours per day. [District NSR Rule], [Federally Enforceable Through Title V]
15. The engine shall not operate more than 1,000 hours per calendar year. [District NSR Rule and District Rule 4701, 5.2], [Federally Enforceable Through Title V]
16. The engine shall be equipped with a properly functioning non-resettable totalizing hour meter. [District NSR Rule and District Rule 4701, 5.4], [Federally Enforceable Through Title V]

## Initial TV Permit

17. The permittee shall observe the engine exhaust stack annually (after 15 minutes for warm-up) for excessive visible emissions. The inspection shall include verifying the engine is performing normal, designed functions and is being operated according to standard procedures, and per the manufacturer's recommendations. If visible emissions are observed from the exhaust stack, the permittee shall perform an EPA Method 9 visible emissions test within 3 days. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
18. If visible emissions are above 10 percent but equal to or less than 20 percent, conduct a source test for particulate matter and Method 9 visible emissions simultaneously within 365 days and use visible emissions results in conjunction with particulate matter source test results to establish a maximum visible emissions level corresponding to compliance with the grain loading limit. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
19. If visible emissions are above the established maximum visible emission level corresponding to compliance with the grain loading limit, corrective action is required within 24 hours and report the visible emissions as a potential deviation. If the visible emission level is still above the maximum established level the facility must: 1) Conduct a source test within 180 days; and 2) Perform Method 9 visible emission test on a biannual basis and report any deviation from the maximum established visible emission level as a potential deviation. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
20. The permittee shall maintain the following records with regards to annual visible emission/equipment inspections: 1) date and time of inspection, 2) stack or emission point identification, 3) operational status/conditions of the equipment, 4) observed results and conclusions, 5) description of corrective actions taken to resolve any observed visible emissions, 6) date and time excessive visible emissions corrected, 7) date of Method 9 test and results if corrected, and 8) name of person(s) performing the inspection. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
21. A record of the cumulative annual hours of operation of this engine shall be kept and shall be updated at least weekly. [District Rules 2520, 9.3.2, 4701, 6.2 and NSR], [Federally Enforceable Through Title V]
22. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 2520, 9.3.2, 4701, 6.2 and NSR], [Federally Enforceable Through Title V]



**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-15-1

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**  
SLUDGE DRYING OPERATION

## **PERMIT UNIT REQUIREMENTS**

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1. See Facility-wide requirements for conditions applicable to this permit unit. [District Rule 2080], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-16-1

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**  
BIOREMEDIATION OPERATION

## **PERMIT UNIT REQUIREMENTS**

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1. See Facility-wide requirements for conditions applicable to this permit unit. [District Rule 2080], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-17-0

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

MUNICIPAL SOLID WASTE LANDFILL. 12.2 MILLION CUBIC METER CAPACITY (51 ACRES)

## **PERMIT UNIT REQUIREMENTS**

1. The NMOC emission rate shall be calculated using the equation in 40CFR60.754(a)(1)(i), if the actual year-to-year solid waste acceptance rate is known or the equation in 40CFR60.754(a)(1)(ii), if the actual year-to-year solid waste acceptance rate is unknown. The values for k, Lo, and CNMOC for both equations shall be taken from 40CFR60.754(a)(1), as appropriate. Both equations may be used if the actual year-to-year acceptance rate is known for a part of the landfill life, but unknown for another part of the landfill life. The mass of nondegradable solid waste may be subtracted from the average annual acceptance rate when calculating R, if documentation of the nature and amount of such wastes is maintained. (Tier 1 specifications) [40 CFR 60.754(a)(1) and 62.14354], [Federally Enforceable Through Title V]
2. If the calculated NMOC emission rate is equal to or greater than 50 megagrams/year, then the landfill owner or operator shall either comply with the requirements of this permit to submit a collection and control design plan and install the system, or determine a site-specific NMOC concentration and recalculate the NMOC emission rate using Tier 2 specifications. [40 CFR 60.754(a)(2)(ii) and 62.14354], [Federally Enforceable Through Title V]
3. Tier 2 specifications to determine the site-specific NMOC concentration shall include the following: 1) For sampling, at least 2 sample probes shall be installed per hectare of landfill surface that has retained waste for at least 2 years, up to a maximum of 50 required probes. One sample of landfill gas shall be collected from each probe to determine the NMOC concentration, using EPA Method 25, 25C, another method approved by the EPA, or 18, in accordance with 40 CFR 60.754(a)(3). If EPA Method 18 is used, the minimum list of compounds to be tested shall be those published in the most recent Compilation of AP-42. If composite sampling is used, equal sample volumes are required. All samples taken shall be used in the analysis. The NMOC concentration from Method 25 or 25C shall be divided by 6 to convert from C-NMOC, as carbon to as hexane. 2) For landfills equipped with active collection systems, samples may be collected from the common header pipe before gas moving or condensate removal equipment; a minimum of 3 samples must be collected. [40 CFR 60.754(a)(3), (a)(5) and 62.14354], [Federally Enforceable Through Title V]
4. Tier 2 specifications to determine the site-specific NMOC concentration shall include the following: 1) The NMOC mass emission rate shall be recalculated using the average site-specific concentration, instead of the default value, 2) If the resulting calculated mass emission rate is equal to or greater than 50 megagrams/year, the landfill owner or operator shall either comply with 60.752(b)(2), or determine a site-specific methane generation rate constant and recalculate the NMOC emission rate using Tier 3 specifications. [40 CFR 60.754(a)(3)(i)&(ii) and 62.14354], [Federally Enforceable Through Title V]
5. If the calculated NMOC mass emission rate, using the site-specific NMOC concentration, is less than 50 megagrams/year, then a periodic estimate of the emission rate report, pursuant to 60.757(b)(1) shall be submitted to the Administrator. The site-specific NMOC concentration shall be retested every 5 years, using Tier 2 specifications. [40 CFR 60.754(a)(3)(iii) and 62.14354], [Federally Enforceable Through Title V]
6. Tier 3 specifications to determine the site-specific methane generation rate constant shall include the following: 1) EPA Method 2E or another method approved by the EPA shall be used, 2) The NMOC mass emission rate shall be recalculated using the average site-specific NMOC concentration and the site-specific methane generation rate constant k, instead of the default values in 40 CFR 60(a)(1), and 3) If the resulting calculated NMOC mass emission rate is equal to or greater than 50 megagrams/year, the landfill owner or operator shall comply with 60.752(b)(2). [40 CFR 60.754(a)(4), (a)(5) and (i) and 62.14354], [Federally Enforceable Through Title V]
7. If Tier 3 specifications are used to determine the site-specific methane generation rate and the calculated NMOC mass emission rate is less than 50 megagrams/year, then a periodic emission rate report shall be submitted to the Administrator, pursuant to 60.757(b)(1) and the NMOC concentration shall be recalculated annually, pursuant to 60.757(b)(1), using the site-specific methane generation rate constant and the NMOC concentration obtained using Tier 2 specifications. Determination of the site-specific methane generation rate constant is performed once and used in all subsequent annual NMOC emission rate calculations. [40 CFR 60.754(a)(4)(ii) and 62.14354], [Federally Enforceable Through Title V]
8. For PSD purposes, the NMOC emission rate shall be estimated and compared to the PSD major source and significance levels in 40 CFR 51.166 or 52.21, using AP-42 or EPA-approved procedures. [40 CFR 60.754(c) and 62.14354], [Federally Enforceable Through Title V]
9. The NMOC emission rate shall be recalculated and reported to the APCO annually, except as otherwise provided in this permit, until such time as the calculated NMOC emission rate is equal to or greater than 50 megagrams/year and a collection and control system is installed or until the landfill is closed. [40 CFR 60.752(b)(1), 60.754(a), 60.757(b), 62.14354 and 62.14355], [Federally Enforceable Through Title V]

## Initial TV Permit

10. If the NMOC emission rate, as reported in the annual report is less than 50 megagrams/year in each of the next 5 consecutive years, the owner or operator may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual reports for those 5 years. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years. All data and calculations upon which this estimate is based shall be provided to the APCO. This estimate shall be revised at least once every 5 years. [40 CFR 60.757(b)(1)(ii) and 62.14355], [Federally Enforceable Through Title V]
11. If the actual waste acceptance rate exceeds the estimated rate used in any year reported in a 5-year estimate of the NMOC emission rate, then a revised 5-year estimate shall be submitted to the APCO. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated acceptance rate. [40 CFR 60.757(b)(1)(ii) and 62.14355], [Federally Enforceable Through Title V]
12. The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions. [40 CFR 60.757(b)(2) and 62.14355], [Federally Enforceable Through Title V]
13. If the owner or operator elects to recalculate the NMOC emission rate using Tier 2 specifications and the resulting NMOC emission rate is less than 50 megagrams/year, annual periodic reporting shall resume. The revised NMOC emission rate report, with the recalculated NMOC emission rate using Tier 2 specifications, shall be submitted within 180 days of the first Tier 1 calculated exceedance of 50 megagrams/year. [40 CFR 60.757(c)(1) and 62.14355], [Federally Enforceable Through Title V]
14. If the owner or operator elects to recalculate the NMOC emission rate using Tier 3 specifications and the resulting NMOC emission rate is less than 50 megagrams/year, annual periodic reporting shall resume. The revised NMOC emission rate report, with the recalculated NMOC emission rate using Tier 3 specifications, shall be submitted within 1 year of the first Tier 1 calculated exceedance of 50 megagrams/year. [40 CFR 60.757(c)(2) and 62.14355], [Federally Enforceable Through Title V]
15. Each owner or operator shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. [40 CFR 60.758(a), 62.14355(a) and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. This operating permit may be cancelled with APCO approval when the landfill is closed, pursuant to the requirements of this permit, if the landfill is not otherwise subject to the requirements of either 40 CFR part 70 or part 71 and if either 1) it was never subject to the requirement for a control system under 40 CFR 60.752(b)(2); or 2) the owner or operator meets the conditions for control system removal specified in 40 CFR 60.752(b)(2)(v). [40 CFR 60.752(d) and 62.14352(f)], [Federally Enforceable Through Title V]
17. If the landfill is permanently closed, a closure notification shall be submitted to the APCO within 30 days of waste disposal cessation. A permanent closure must take place in accordance with 40 CFR 258.60. If a closure report has been submitted, no additional waste may be placed in the landfill without filing a notification of modification to the APCO, pursuant to 40 CFR 60.7(a)(4). [40 CFR 60.752(b)(1)(ii)(B), 60.757(d) and 62.14352(f)], [Federally Enforceable Through Title V]
18. If the calculated NMOC is equal to or greater than 50 megagrams/year, the owner or operator shall install a collection and control system, that effectively captures the gas generated within the landfill, within 30 months of that determination. This operating permit must be modified accordingly to show compliance with 40 CFR 62, Subpart GGG requirements applicable to a MSWL with a collection and control system. [40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 62.14353 and 62.14354], [Federally Enforceable Through Title V]
19. If a gas collection and control system is installed, it shall comply with the operational standards of 40 CFR 60.753, the compliance provisions of 40 CFR 60.755, the monitoring provisions of 40 CFR 60.756, the reporting and record keeping requirements of 40 CFR 60.757 and 60.758, and the requirements of 40 CFR 60.759 (for active collection systems). [40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 60.757, 60.758, 60.759, 62.14353 and 62.14354(b)], [Federally Enforceable Through Title V]
20. Permittee shall comply with the Increments of Progress as defined in Table 3 of 40 CFR 62, Subpart GGG, unless a site specific schedule is approved by EPA, which includes notification of EPA no later than 10 business days after completing each increment of progress. [40 CFR 62.14355(b)], [Federally Enforceable Through Title V]
21. Permittee shall submit the Final Control Plan (as defined in 40 CFR 62.14351) one year after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. (Increment 1) [40 CFR 62.14356(a)(1)], [Federally Enforceable Through Title V]
22. Permittee shall Award Contract(s) (as defined in 40 CFR 62.14351) on or before December 6, 2001, or 20 months after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. (Increment 2) [40 CFR 62.14356(a)(2)], [Federally Enforceable Through Title V]
23. Permittee shall Initiate On-Site Construction (as defined in 40 CFR 62.14351) on or before April 6, 2002, or 24 months after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. (Increment 3) [40 CFR 62.14356(a)(3)], [Federally Enforceable Through Title V]
24. Permittee shall Complete On-Site Construction (as defined in 40 CFR 62.14351) on or before October 6, 2002, or 30 months after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. (Increment 4) [40 CFR 62.14356(a)(4)], [Federally Enforceable Through Title V]
25. Permittee shall Achieve Final Compliance (as defined in 40 CFR 62.14351) on or before October 6, 2002, or 30 months after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. (Increment 5) [40 CFR 62.14356(a)(5)], [Federally Enforceable Through Title V]

## **Initial TV Permit**

26. Permittee must conduct initial performance tests of the landfill gas collection system and air pollution control equipment on or before April 4, 2003, or 30 months and 180 days after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. [40 CFR 62.14356(a)(5)], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-339-18-1

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 106 HP CATERPILLAR DIESEL FIRED IC ENGINE, MODEL # 3054, SERVING A LANDFILL TRUCK TIPPER

**PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
6. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
7. Test results from an engine that represents a group of engines in terms of rated brake horsepower, engine make and series, operational conditions, fuel used, and control method, shall satisfy testing requirements provided this group of engines is owned and operated by a single owner/operator. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
8. This engine shall be operated in accordance with the requirements of the Code of Federal Regulations, Title 40, Part 89. [40 CFR Part 89], [Federally Enforceable Through Title V]
9. This engine shall not remain at any one location for more than 12 consecutive months. [40 CFR Part 89 and District Rule 4701], [Federally Enforceable Through Title V]
10. The exhaust stack shall not be fitted with a rain cap or any similar device that would impede vertical exhaust flow. [District Rule 4102]
11. Only CARB-certified fuel containing not more than 0.05% sulfur by weight shall be used. [District Rule 4102]
12. The engine must be operated with positive crankcase ventilation (PCV) system or crankcase emission control device with at least 90% control efficiency. [District Rule 4102]
13. The emission rates shall not exceed the following: NOx, 5.3 g/bhp-hr; CO, 0.43 g/bhp-hr; VOC, 0.16 g/bhp-hr; PM10, 0.25 g/bhp-hr. [District Rules 4102 and NSR], [Federally Enforceable Through Title V]
14. The engine shall not operate more than 5 hours per day. [District Rule 2201], [Federally Enforceable Through Title V]
15. The engine shall not operate more than 1,000 hours per calendar year. [District Rule 4102]
16. The engine shall be equipped with a properly functioning non-resettable totalizing hour meter. [District Rules 2201, 4102, and 4701], [Federally Enforceable Through Title V]
17. The permittee shall observe the engine exhaust stack annually (after 15 minutes for warm-up) for excessive visible emissions. The inspection shall include verifying the engine is performing normal, designed functions and is being operated according to standard procedures, and per the manufacturer's recommendations. If visible emissions are observed from the exhaust stack, the permittee shall perform an EPA Method 9 visible emissions test within 3 days. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]

## Initial TV Permit

18. If visible emissions are above 10 percent but equal to or less than 20 percent, conduct a source test for particulate matter and Method 9 visible emissions simultaneously within 365 days and use visible emissions results in conjunction with particulate matter source test results to establish a maximum visible emissions level corresponding to compliance with the grain loading limit. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
19. If visible emissions are above the established maximum visible emission level corresponding to compliance with the grain loading limit, corrective action is required within 24 hours and report the visible emissions as a potential deviation. If the visible emission level is still above the maximum established level the facility must: 1) Conduct a source test within 180 days; and 2) Perform Method 9 visible emission test on a biannual basis and report any deviation from the maximum established visible emission level as a potential deviation. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
20. The permittee shall maintain the following records with regards to annual visible emission/equipment inspections: 1) date and time of inspection, 2) stack or emission point identification, 3) operational status/conditions of the equipment, 4) observed results and conclusions, 5) description of corrective actions taken to resolve any observed visible emissions, 6) date and time excessive visible emissions corrected, 7) date of Method 9 test and results if corrected, and 8) name of person(s) performing the inspection. [District Rule 2520, 9.3.2], [Federally Enforceable Through Title V]
21. A record of the daily hours of operation shall be kept. [District Rule 2201], [Federally Enforceable Through Title V]
22. A record of the cumulative annual hours of operation of this engine shall be kept and shall be updated at least weekly. [District Rules 2201, 4102, and 4701], [Federally Enforceable Through Title V]
23. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## Initial TV Permit